



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT OPERATION

Applicants:)
Hiroyuki Minamikawa et al.) Examiner: Karl Group
Serial Number: 09/841,614) Group Art Unit: 1755
Filing Date: April 24, 2001)

Title: LOW EXPANSION TRANSPARENT GLASS-CERAMICS, GLASS-CERAMIC
SUBSTRATE AND OPTICAL WAVEGUIDE ELEMENT

New York, NY 10036
April 7, 2004

Mail Stop Non-Fee Amendments
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

PRELIMINARY AMENDMENT

This Amendment is being filed prior to examination to amend
the claims: